

# Summary of basic UNIX commands

## how to get in and out

for getting linux on windows started: see Unix Exercise

get in:        LOGIN: `username`        example: `kvollmay`  
              PASSWORD: `your_password`

get out:      with cursor on background click on right mouse button  
              → Logout → OK

## windows

open:        with cursor on background click on right mouse button  
              → Tools → Terminal

close: type `exit`

## help/information

`man command`        example: `man cd`

`apropos keyword`     example: `apropos directory`

see also: <http://www.eg.bucknell.edu/~cs203/manual.pdf>

general computer info: <http://www.eg.bucknell.edu/physics/ph329>

## handling directories

`mkdir`        to create directory

`rmdir`        to delete directory (**careful !!!**)

`cd`        to change directory

`pwd`        print working directory

`mv old_directory_name new_directory_name`     name change

`ls`        lists contents of directory

`ls -la`     for more information about files and directories

## handling files

`cp old_filename new_filename`        copies file

`mv old_filename new_filename`        name change (**careful !!!**)

`mv old_filename directory_name`        moves file into different directory

`rm filename`        removes file (**careful !!!**) use instead `rm -i`

`emacs`        editor: to create or modify file (see summary sheets)

`vi filename`        another editor

`file filename`        information about content of file

`chmod a+r filename`     gives other users the permission to read this file

### **quick look at files:**

`cat filename` displays complete file  
`more filename` displays file page by page  
`head filename` displays first lines of file  
`tail filename` displays last lines of file  
`less filename` allows you to go back and forth in file

### **handling processes**

`ps` lists running processes  
`kill process number` kills running process

### **email**

`pine` gets you into pine session.  
within pine: see bottom of page for option of commands  
main commands:  
    **m** to get to main menu  
    **i** to get to messages of current folder, which is by default  
        the folder of incoming emails  
    **c** to compose and send an email  
    **q** to exit pine session

### **printing**

for ps-files: `lpr -Prchm9-lp1 filename`  
for text-files (incl. program listing):  
    `enscript -2r -Prchm9-lp1 filename`